

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041124\
 Data File : VU058615.D
 Acq On : 11 Apr 2024 17:59
 Operator : MD/SY
 Sample : P2013-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E0MC0

Quant Time: Apr 12 02:29:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 12 02:25:12 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

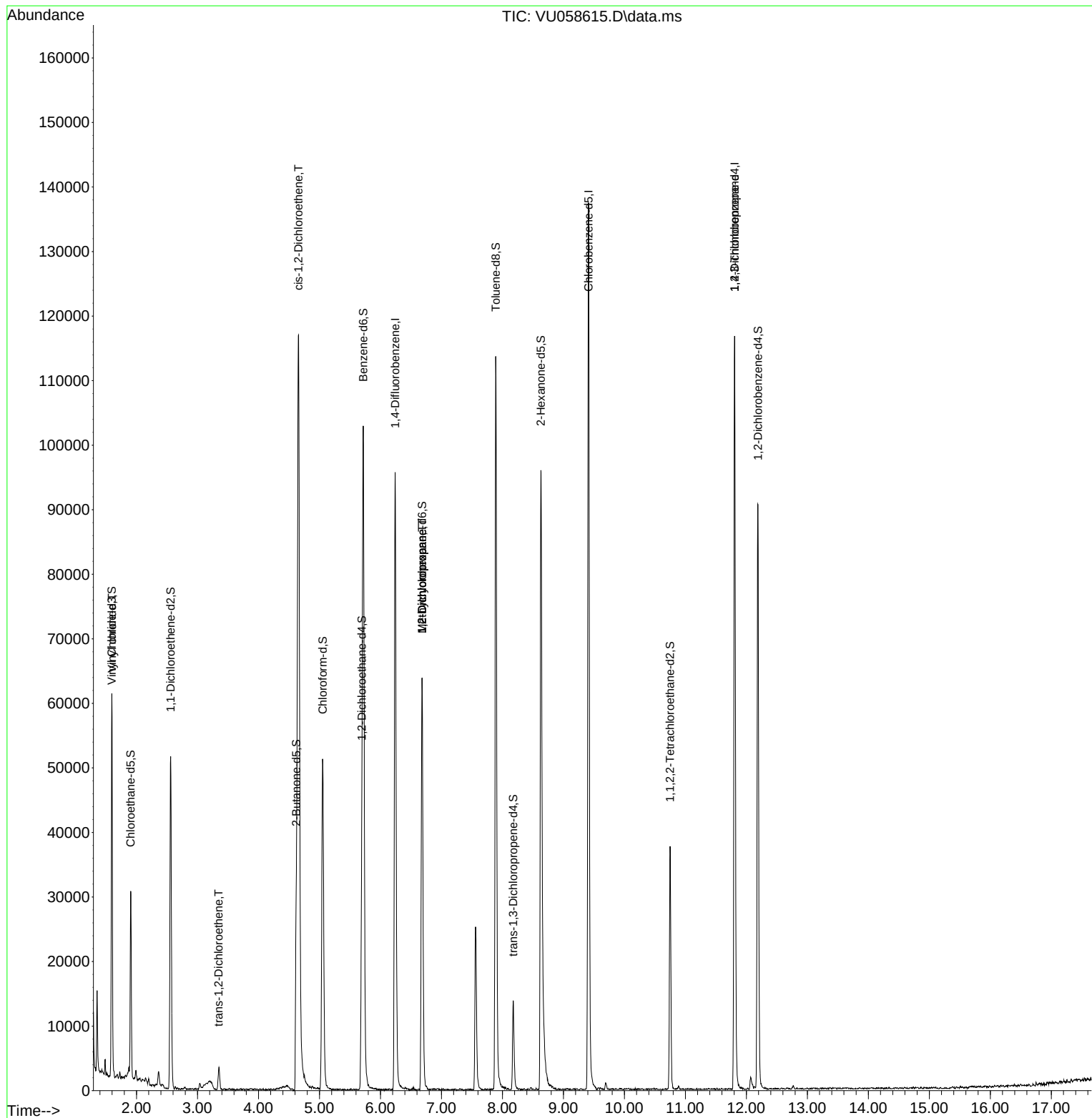
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	74528	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	72978	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	31404	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	20953	4.246	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.000%
7) Chloroethane-d5	1.904	69	20049	4.676	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.560	65	10233	4.582	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	4.621	46	49644	47.742	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.480%
24) Chloroform-d	5.052	84	47643	4.837	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.800%
26) 1,2-Dichloroethane-d4	5.695	65	23084	5.022	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	5.718	84	94700	4.820	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
36) 1,2-Dichloropropane-d6	6.682	67	31259	5.073	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.400%
41) Toluene-d8	7.891	98	76452	4.388	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	8.177	79	8155	4.264	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.631	63	35401	44.875	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.760%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	19200	4.414	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	24124	4.561	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.200%
Target Compounds						
5) Vinyl chloride	1.599	62	19188	2.527	ug/L	95
18) trans-1,2-Dichloroethene	3.345	96	1096	0.198	ug/L	84
22) cis-1,2-Dichloroethene	4.657	96	56071	9.020	ug/L	94
35) Methylcyclohexane	6.682	83	6584	0.655	ug/L #	16
37) 1,2-Dichloropropane	6.682	63	3387	0.487	ug/L #	90
61) 1,2,3-Trichloropropane	11.807	75	4726	1.475	ug/L #	72

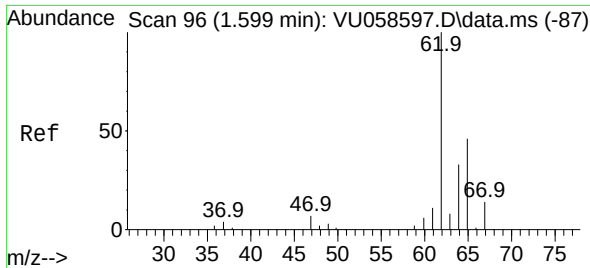
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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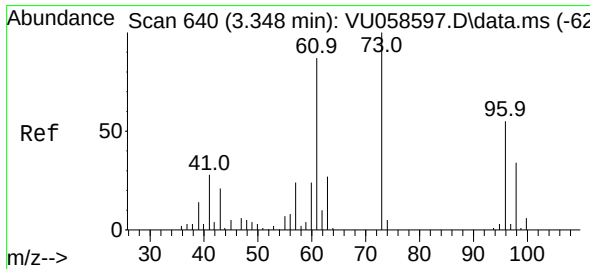
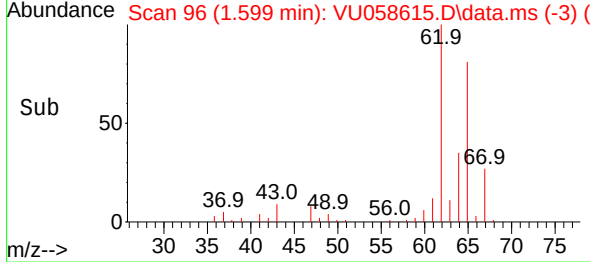
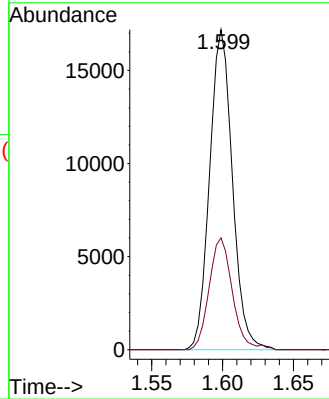
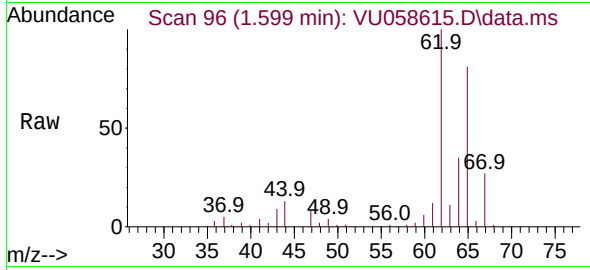




#5
 Vinyl chloride
 Concen: 2.527 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. 0.000 min
 Lab File: VU058615.D
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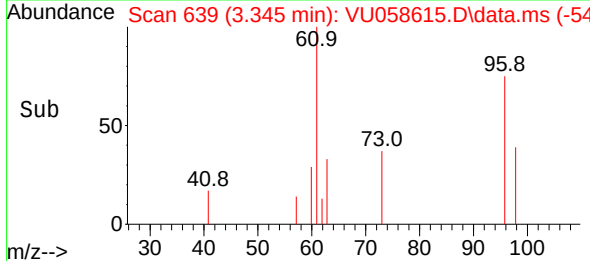
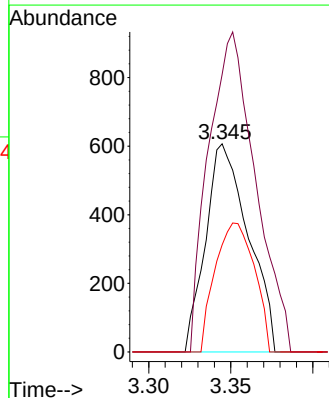
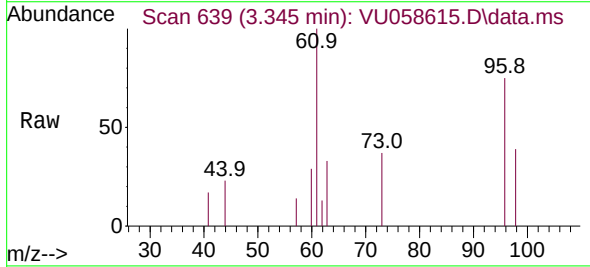
Instrument :
 MSVOA_U
 ClientSampleId :
 E0MC0

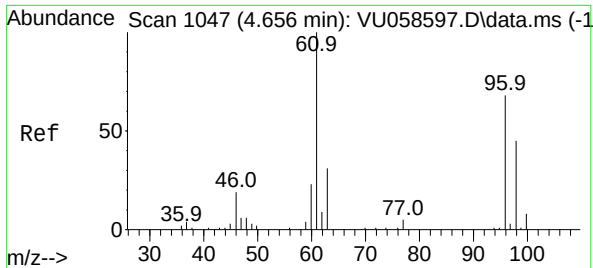
Tgt Ion: 62 Resp: 19188
 Ion Ratio Lower Upper
 62 100
 64 35.0 22.6 42.0



#18
 trans-1,2-Dichloroethene
 Concen: 0.198 ug/L
 RT: 3.345 min Scan# 639
 Delta R.T. -0.003 min
 Lab File: VU058615.D
 Acq: 11 Apr 2024 17:59

Tgt Ion: 96 Resp: 1096
 Ion Ratio Lower Upper
 96 100
 61 133.3 107.6 199.8
 98 51.4 45.1 83.7





#22

cis-1,2-Dichloroethene

Concen: 9.020 ug/L

RT: 4.657 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU058615.D

Acq: 11 Apr 2024 17:59

Instrument :

MSVOA_U

ClientSampleId :

E0MC0

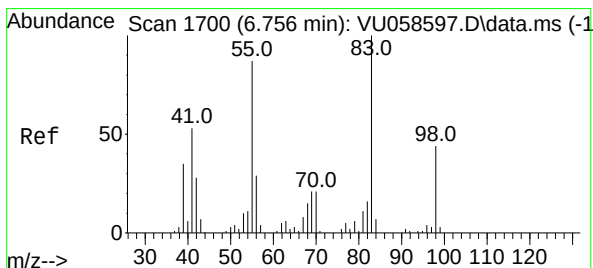
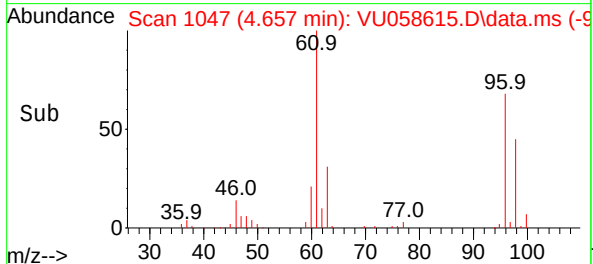
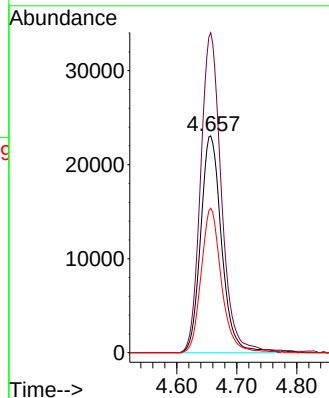
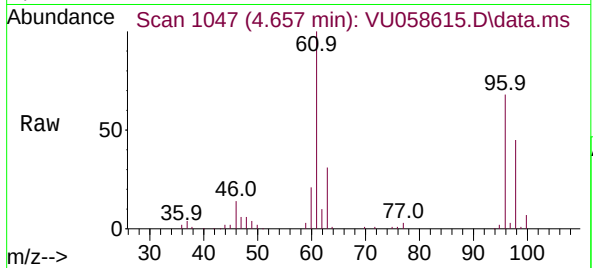
Tgt Ion: 96 Resp: 56071

Ion Ratio Lower Upper

96 100

61 147.6 98.1 182.3

98 66.7 43.6 81.0



#35

Methylcyclohexane

Concen: 0.655 ug/L

RT: 6.682 min Scan# 1677

Delta R.T. -0.074 min

Lab File: VU058615.D

Acq: 11 Apr 2024 17:59

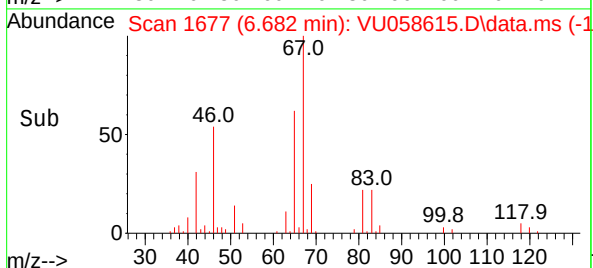
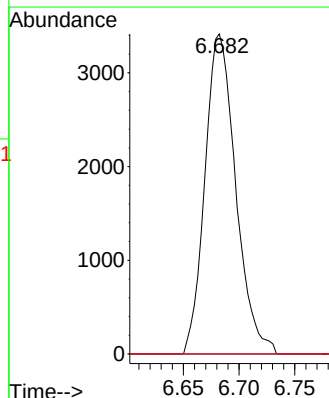
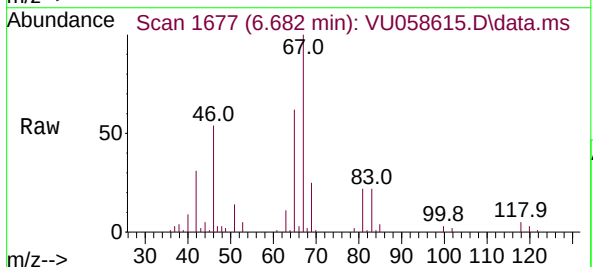
Tgt Ion: 83 Resp: 6584

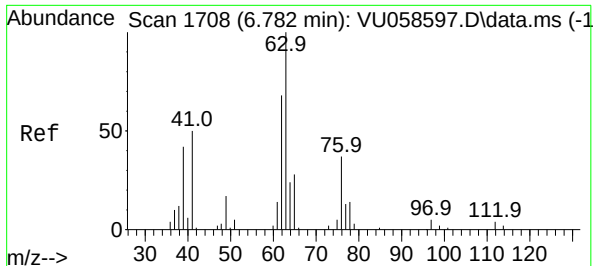
Ion Ratio Lower Upper

83 100

55 0.0 66.2 99.4#

98 0.0 34.6 52.0#

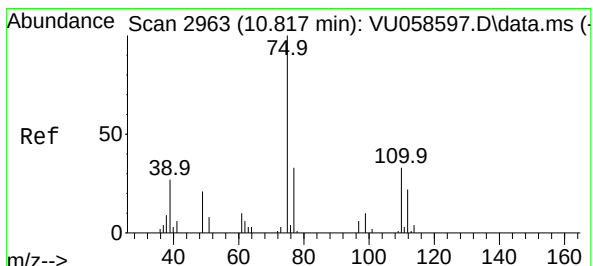
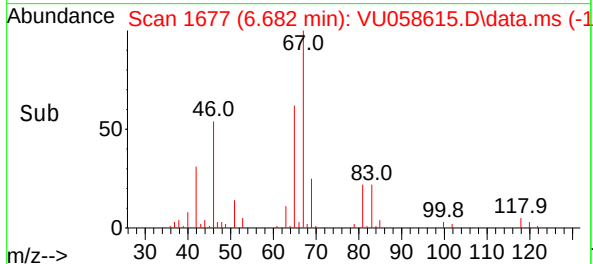
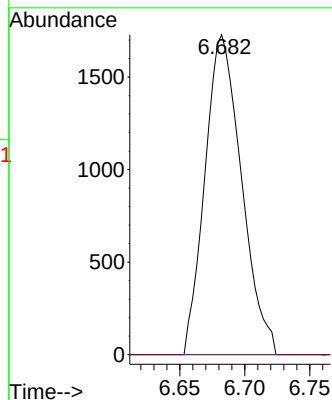
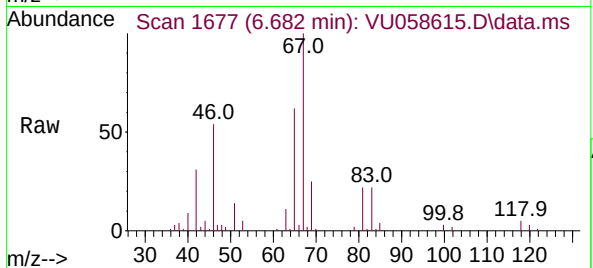




#37
1,2-Dichloropropane
Concen: 0.487 ug/L
RT: 6.682 min Scan# 1
Delta R.T. -0.100 min
Lab File: VU058615.D
Acq: 11 Apr 2024 17:59

Instrument :
MSVOA_U
ClientSampleId :
E0MC0

Tgt Ion: 63 Resp: 3387
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#



#61
1,2,3-Trichloropropane
Concen: 1.475 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU058615.D
Acq: 11 Apr 2024 17:59

Tgt Ion: 75 Resp: 4726
Ion Ratio Lower Upper
75 100
110 1.6 25.8 38.6#
77 31.8 25.1 37.7

